

NOVEL CRYSTALLINE FORMS OF TEGASEROD MALEATE

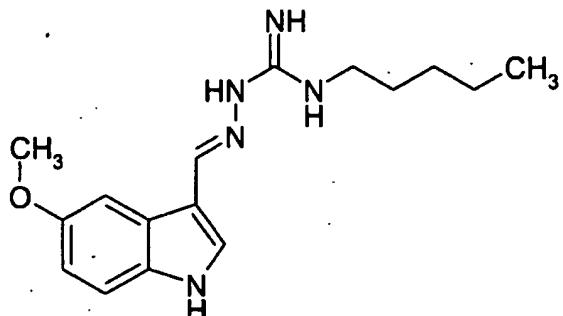
This application is a 371 of PCT/IN03/00076 filed on 03/25/2003.

FIELD OF THE INVENTION

5 The present invention relates to novel crystalline forms of tegaserod maleate, to processes for their preparation and to pharmaceutical compositions containing them.

BACKGROUND OF THE INVENTION

10 EP Patent No. 0 442,378 describes, along with other compounds, the compound
(1)



15 or 2-[(5-Methoxy-1H-indol-3-yl)methylene]-N-pentylhydrazinecarboximidamide, which has the generic name tegaserod and forms maleic acid salt (tagaserod maleate). Tegaserod and related compounds are serotonin 5HT₄-receptor partial agonist and useful in the treatment of irritable bowel syndrome and other utilities
20 as described in EP Patent No. 0 442,378.

Crystalline forms of tegaserod maleate have not been reported in the literature and also, the preparation of tegaserod maleate has not been described. So, there is a need for stable polymorphs of tegaserod maleate for better pharmaceutical preparations.

25 It has now been discovered that tegaserod maleate can be prepared in four different crystalline forms.